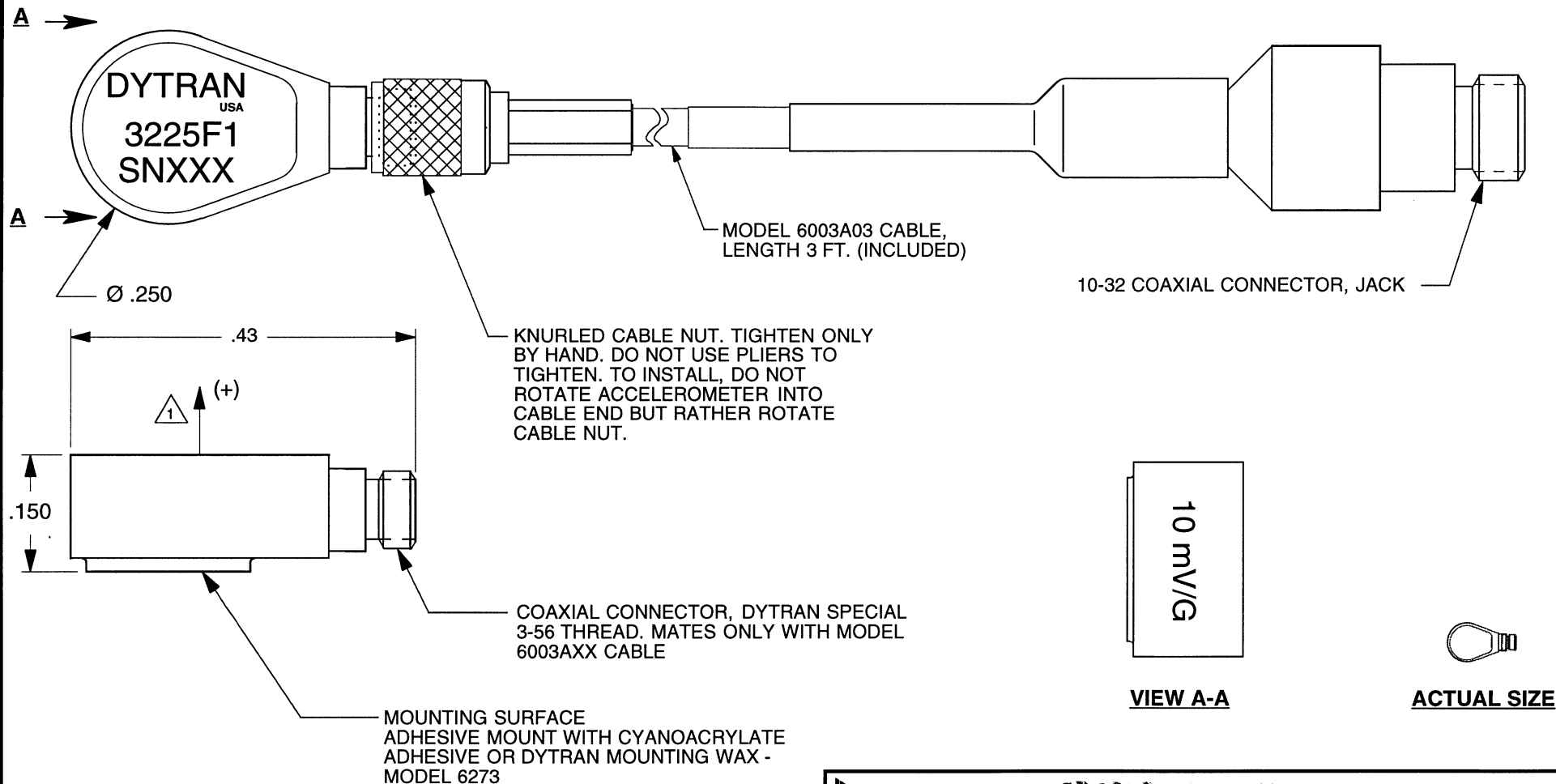


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	6069	ROTATED MARKING 90° CW ADDED VIEW A-A	RLA 7/06/09	<i>PL</i>	<i>AWS</i>



- CASE AND CONNECTOR MATERIAL: TITANIUM.
- WEIGHT LESS CABLE: 0.6 GRAMS.

1 ARROW INDICATES SENSE AND DIRECTION OF
INPUT ACCELERATION FOR POSITIVE GOING
OUTPUT SIGNAL.

EXCEPT AS OTHERWISE NOTED	
ALL DIMENSIONS IN INCHES TOLERANCE: .XXX = ± .XX = ±	
SURFACE FINISH EXCEPT AS NOTED	✓
BREAK EDGES TO DEBURR RADIUS OR CHAMFER	
THESE DIAS TO T.I.R.	
FILLETS -	MAX RAD.

DYTRAN INSTRUMENTS, INC.		MASTER ONLY IF IN RED		CHATSORTH, CA.	
SCALE 5X	REV -	DATE SEE REV BLK	ECN -		
DATE 10/2/01	PART NO.				
DRAWN N.C.	CHECKED R.A.	MAT'L			
APPROVED N.C.	10/07/02	NEXT ASSEMBLY		USED ON	
TITLE OUTLINE/INSTALLATION DRAWING, MODEL 3225F1				DWG NO. 127-3225F1	
				SHEET 1 OF 1	

SPECIFICATIONS

MODEL 3225F1 MINIATURE LIVM ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	0.6	GRAMS
SIZE (DIA x LENGTH HEX x HEIGHT)	0.25 x 0.43 x .150	INCHES
MOUNTING PROVISION	Flat mounting surface for adhesive mount	
CONNECTOR, RADIALLY MOUNTED [1]	3-56	JACK
CASE MATERIAL	Titanium	
SENSING ELEMENT TYPE	Quartz, planar shear	
PERFORMANCE		
SENSITIVITY [2] [3]	10.0, nom.	mV/G
RANGE F.S. FOR ± 5 VOLTS OUT	±500	G's
FREQUENCY RESPONSE, ± 10% [3]	1.6 to 10,000	Hz
MOUNTED RESONANT FREQUENCY, NOM.	40	kHz
EQUIVALENT ELECTRICAL NOISE FLOOR	.007	G's RMS
AMPLITUDE NON-LINEARITY (ZERO BASED BEST-FIT ST.LINE METHOD)	2.0	% F.S., MAX.
TRANSVERSE SENSITIVITY, MAX.	5	PERCENT
STRAIN SENSITIVITY	.0005	G's per microstrain @ 250/μσ
ENVIRONMENTAL		
MAXIMUM VIBRATION	400	G's, RMS
MAXIMUM SHOCK	5000	G's, PEAK
TEMPERATURE RANGE	-60 TO 250	°F
THERMAL COEFFICIENT OF SENSITIVITY	.03	%/°F
ENVIRONMENTAL SEAL	Hermetic, TIG welded & glass-to-metal seal connector	
ELECTRICAL		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [4]	2 to 20/+18 to +30	mA/Volts
OUTPUT IMPEDANCE, TYP.	100	Ohms
BIAS VOLTAGE, +10 VOLTS NOM.	+9 to +11	VDC
DISCHARGE TIME CONSTANT, NOM.	0.3	Sec
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP CASE GROUNDING	Positive	
Case is grounded to electrical power ground		

NOTES:

- [1] CONNECTOR MATES ONLY WITH DYTRAN CABLE MODEL 6003AXX (XX IS LENGTH IN FEET)
- [2] MEASURED AT 100 Hz, 1 G RMS PER ISA RP37.2.
- [3] ACTUAL SENSITIVITY IS GIVEN ON A CALIBRATION CERTIFICATE TRACEABLE TO NIST, SUPPLIED WITH EACH INSTRUMENT.
- [4] DO NOT APPLY POWER TO THIS DEVICE WITHOUT CURRENT LIMITING, 20 mA MAX. TO DO SO WILL DESTROY THE INTEGRAL IC AMPLIFIER.